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CALIFORNIA CHERRY INDUSTRY—

Economic Situation, 1959

Jerry Foytik

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CALIFORNIA CHERRY INDUSTRY:

ECONOMIC SITUATION, 1959

by

Jerry Foytik[1/]

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INTRODUCTION

This report provides an empirical and analytical description of the economic aspects of producing and marketing California cherries. Major trends and relationships are revealed by 15 charts. Each chart contains a short interpretative comment discussing the significance of the facts portrayed. The series, therefore, constitutes an analytical study of certain important economic aspects of this industry. The supporting data, as well as certain supplemental statistics, are presented in the tables that follow.

The chart and tabular material is arranged in a sequence. We start with the farm by considering data on production, utilization, acreage, yield and farm prices. Next attention is focused upon fresh shipments and auction marketings. Data on processing and exports come third. Finally we have certain other data to show the position of California cherries in relationship to cherries produced in other states and to other deciduous fruits.

Two types of cherries are grown in the United States. Sour, or pie, cherries are produced primarily in the Great Lakes and Northeastern regions of the country. None are grown commercially in California. Most of the sweet cherries are produced on the Pacific Coast. About one-third of the nation's crop is produced in California, almost one-half in Oregon and Washington, and the remainder (15-20 percent) in other western states and in the Great Lakes area.

Cherries are one of California's important deciduous fruits. Commercial production is confined principally to five or six major varieties grown mainly in two specialized producing areas of the state.

Over half the California crop is canned or brined. Substantial quantities of sweet cherries are also processed in other states. California produces one-third of the brined cherries and one-third of the canned sweet cherries processed in the United States.

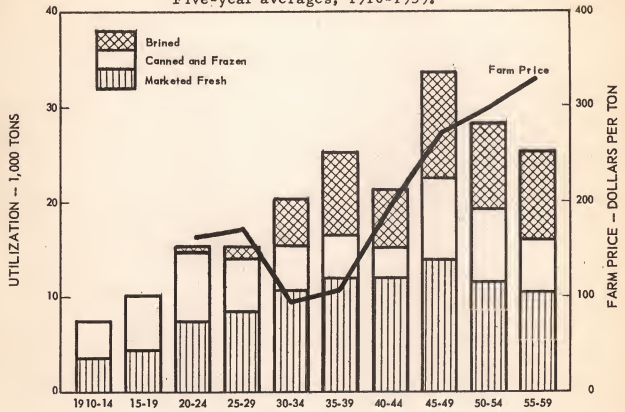
Somewhat less than half of the production of California sweet cherries is consumed fresh. About two-thirds of this quantity is shipped to out-of-state markets. Although cherries account for only 5 percent of the fresh deciduous tree fruits shipped from the state, they constitute almost 25 percent of the volume moved during May-June.

Shifts in the varietal composition and geographical location of production have occurred--and continue to occur. The large reduction in acreage which took place during the past twenty years was mainly a decrease in counties outside the two major producing areas, Stockton and Santa Clara, and of varieties other than the two principal ones, Bing and Royal Ann. The bulk of the present acreage (89 percent of the total) is planted to three varieties: Bing, 51%; Royal Ann, 29%; and Black Tartarian, 9%.

A similar specialization exists with respect to geographic distribution of acreage. Although cherries are grown commercially in many counties, over three-quarters of the acreage is located in two counties: 49% in San Joaquin and 29% in Santa Clara. These counties form the nuclei for the two major production districts established for use in this report. Stockton District includes the large acreage in San Joaquin County and a much smaller acreage (less than 2 percent of the district total) in Stanislaus County. The county distribution of acreage in the Santa Clara District is: Santa Clara, 87%; Alameda 7%; and 6% in Monterey, San Benito and Santa Cruz.

Figure 1

California Cherries: Production, Utilization and Farm Price.
Five-year averages, 1910-1959.



Production increased from 7,600 tons during 1910-14 to 34,000 tons in 1945-49 and then declined 30% to 25,000 tons for 1955-59. Quantities not utilized have been negligible except during 1931-33, 1938-39 and 1942-43.

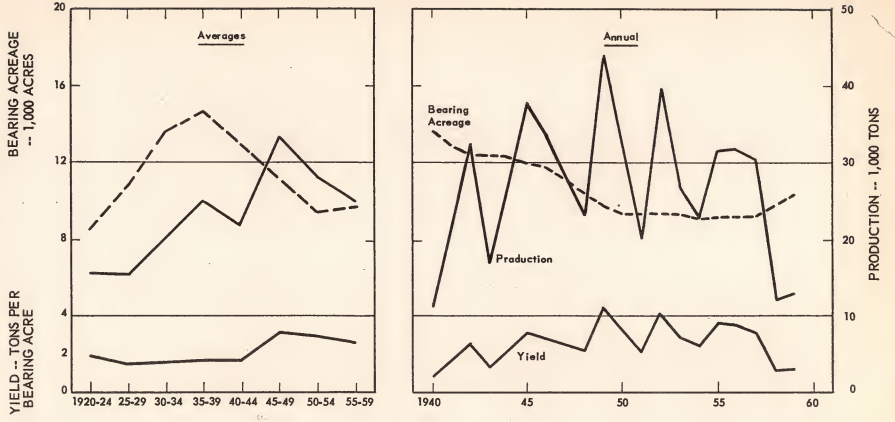
Processing is a major outlet for cherries. The proportion canned declined from over 50% of the production during 1910-24 to about 20% on the average, since 1930. Quantities brined were negligible prior to 1925 and then expanded to 10,000 tons since 1945, representing one-third of the crop. The amount frozen has been small except in 1945 and 1946. Fresh sales represent 40-60% of the crop throughout the past 50 years.

Farm prices declined sharply during the interwar period and then rose rapidly to the present level--about 5 times the depression low for 1932-33.

Based on Tables 1, 2 and 3.

Figure 2

California Cherries: Production, Bearing Acreage and Yield, 1920-1959.

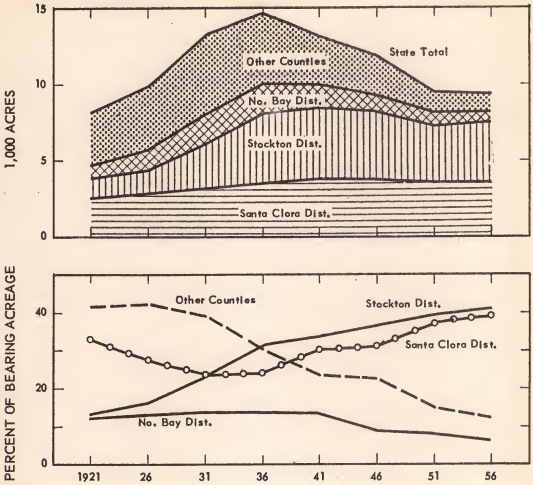


Year-to-year fluctuations in production are considerable--averaging 10,000 tons, or 35% of the average crop, since 1940. The upward trend in production for 1920-39, was primarily the result of an expansion in bearing acreage. Bearing acreage increased from 8,500 acres in 1920-24 to 14,700 in 1935-39 and decreased during the 1940's to an average of 9,500 since 1950. Yield varied about an average of 1.6 tons during 1920-39 and increased thereafter to an average of almost 3 tons since 1945.

Based on Table 1.

Figure 3

California Cherries: Distribution of Bearing Acreage, by Major Districts, 1921-1956.



Bearing acreage increased until 1936 and then declined so that acreage in 1956 was 15% above that of 1921 and two-thirds the high level of 1936. Important changes in the geographical distribution of acreage occurred during this period.

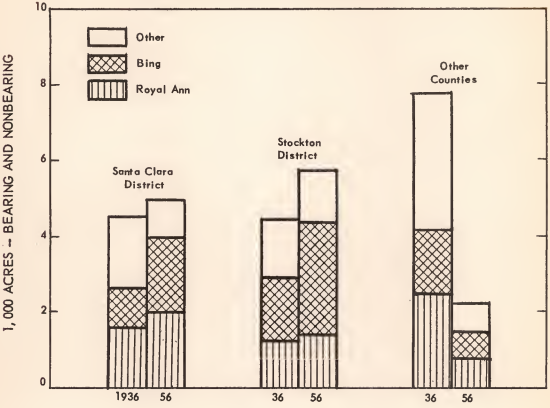
Bearing acreage in Santa Clara and Stockton Districts increased from 2,700 and 1,100 in 1921 to 3,700 and 4,200 for 1936-56, respectively. In all other districts acreage increased from 4,400 in 1921 to 7,100 in 1931 and then decreased to a mere 2,800 acres in 1956.

Percentagewise, Santa Clara District dipped from 33% in 1921 to 24% in 1926 and in 1931 and then increased to 39% of the total. Stockton District rose from 13 to 41% during 1921-56. North Bay acreage declined from 14% during 1921-36 to 7% by 1956. Bearing acreage in all other districts declined steadily from 42 to 13% between 1921-26 and 1956.

Based on Table 4.

Figure 4

California Cherries: Varietal Classification of Acreage, by Major Districts, 1936 and 1956.



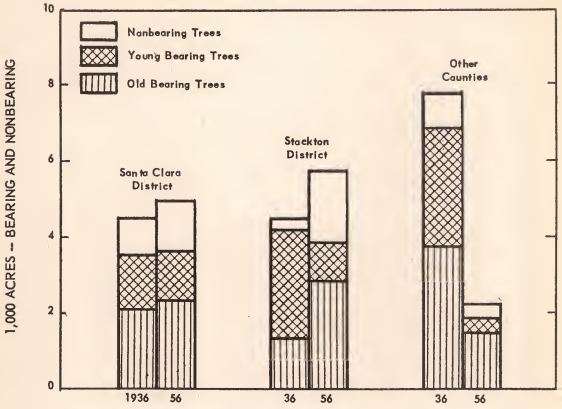
Important shifts in the geographical and varietal composition of acreage occurred during 1936-56 as the total declined by 25%. Acreage expanded 10 and 27% in the two major producing districts of Santa Clara and Stockton and declined by 70% in all other areas. Acreage increased 30% for Bings and decreased 20% for Royal Anns and 60% for other varieties.

Acreage increased 80% for Bings and 20% for Royal Anns and decreased 35% for other varieties in Santa Clara and Stockton Districts. It declined 55, 70 and 80%, respectively, in the remainder of the state.

Based on Table 5.

Figure 5

California Cherries: Age Classification of Acreage, by Major Districts, 1936 and 1956.



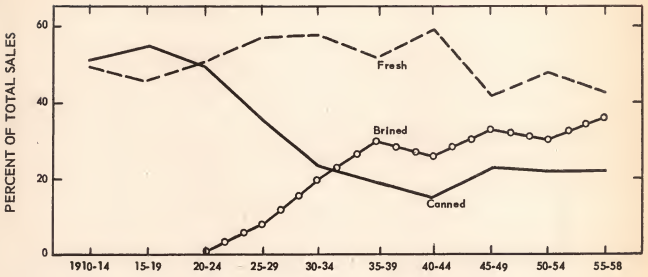
Important changes in the age distribution of acreage occurred during 1936-56. The proportion of the total consisting of nonbearing trees doubled--from 13 to 27%. The great bulk of this acreage (90% of 3,500 acres) is now located in the Santa Clara and Stockton Districts.

The proportion of acreage consisting of older trees (17 years or more since planting) remained at 47% in the Santa Clara District and increased (30 to 50 and 50 to 65%, respectively) for the Stockton District and all other areas.

Based on Table 5.

Figure 6

California Cherries: Disposition of Sales, 1910-1958.



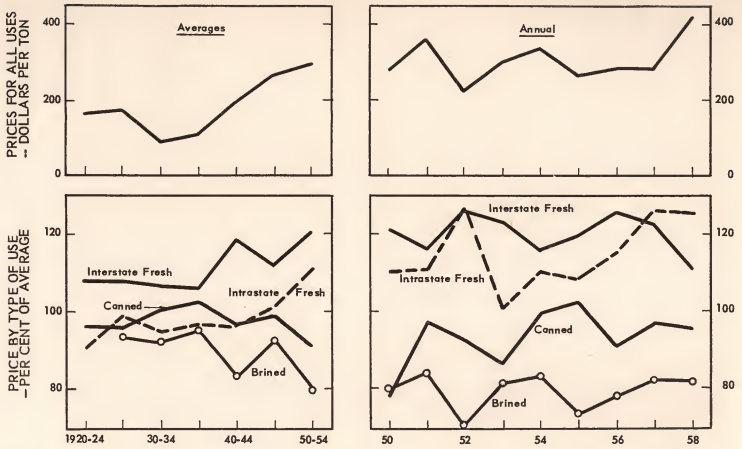
During 1910-24 about half of the state's cherries were shipped fresh and half were canned. Thereafter an important change in the utilization pattern occurred.

Fresh shipments were somewhat higher (56% of total sales) in 1925-44 and lower (44%) since 1945. Brining of California cherries, which began commercially in 1924, expanded rapidly to 30% of all sales by 1935-39 and to 35% for recent years. Canning declined correspondingly--from 50% of all sales to an average of about 20% since 1930.

Based on Table 2.

Figure 7

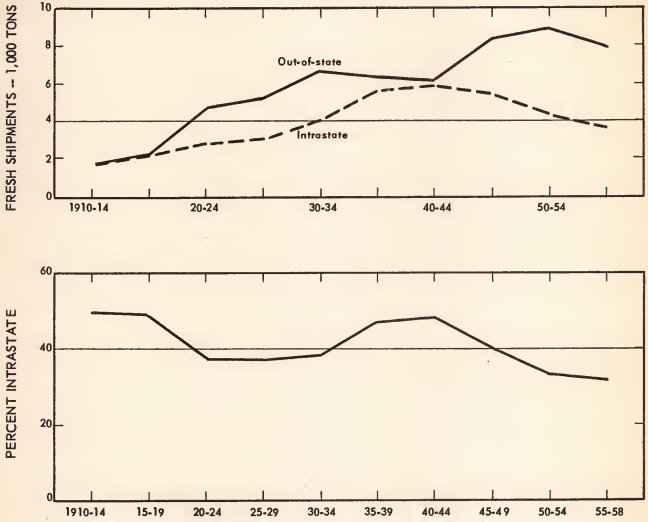
California Cherries: Grower Prices by Type of Utilization, 1920-1958.



The price received by growers (portrayed in the two upper panels) averaged $166 for 1920-29. It declined sharply to $63 in 1932-33 and then increased to a level of about $300 maintained since 1950. The lower panels indicate price relationships in the major outlets. Prices for fresh intrastate sales averaged 10-15% below the price received from interstate shipment. Generally the cannery price was at about the level for local fresh sales until 1950. Now it is somewhat lower. Prices are lowest on brining cherries. They declined from over 90% of the average for 1925-34 to a level of 80% since 1950.

Based on Table 3.

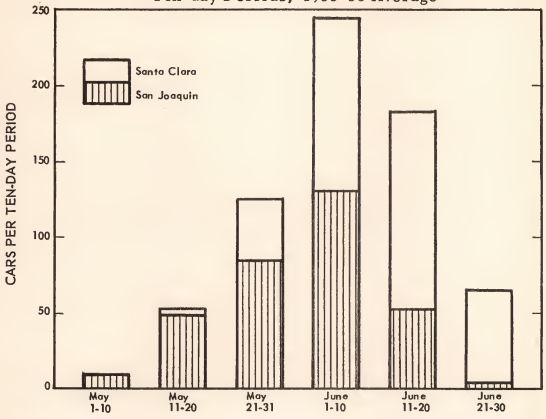
Figure 8
California Cherries: Out-of-state and Intrastate Fresh Shipments, 1910-1958.



The proportion of fresh marketings of cherries sold within the state has declined from half to a third of the total during the past 50 years. This decrease was not, however, uniform throughout the period. Intrastate sales increased fairly steadily from 1,800 tons in 1910-14 to 5,700 tons for 1935-49 and then declined to the present level of 3,700 tons. Shipments from the state continued to rise during the entire period. Most of the increase from 1,800 tons in 1910-14 to the current average of 8,000 occurred during the 1920's and 1940's.

Based on Table 2.

Figure 9
California Cherries: Interstate Rail Passings, by County, Ten-day Periods, 1955-58 Average

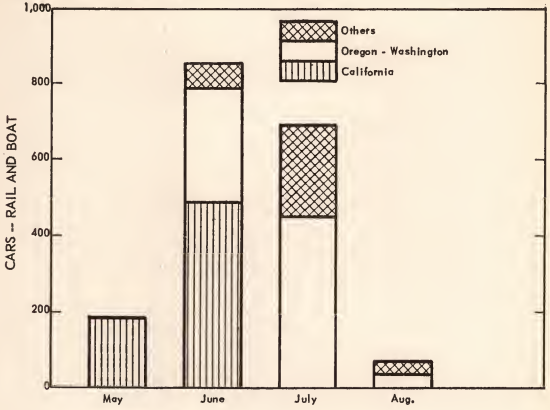


About 30% of cherry shipments are made in May, 35% in June 1-10 and 35% in June 11-30. About 75-80% of May shipments come from San Joaquin. During June 1-10 shipments are divided equally between San Joaquin and Santa Clara. After June 10 Santa Clara accounts for 75-80% of shipments. Cherries from San Joaquin are shipped about 10 days earlier than those from Santa Clara. Since 1945 annual shipments averaged 370 cars from both San Joaquin and Santa Clara. Shipments from other counties are negligible and are not included in the chart.

Based on Table 6.

Figure 10

Sweet Cheeries: Monthly Carlot Shipments, by State, 1955-58 Average.

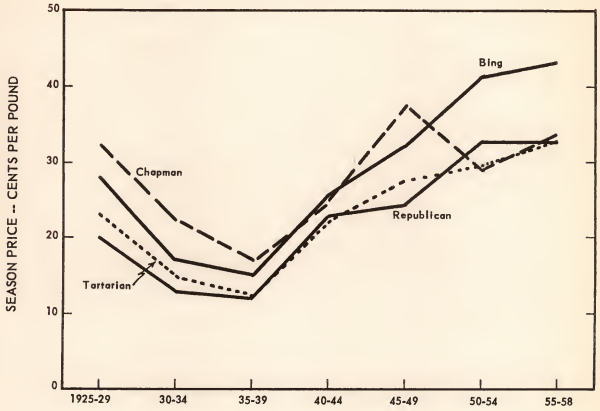


California markets its sweet cherries before shipments from other states become significant. During the period ending at about June 20, California ships 80-85% of its season total. These shipments constitute over 80% of the total carlot movement. Thereafter 60% of the sweet cherries come from Oregon-Washington, 10% from California, and 30% from other states.

Based on Table 8.

Figure 11

California Cherries: New York Auction Price, 1925-1958.

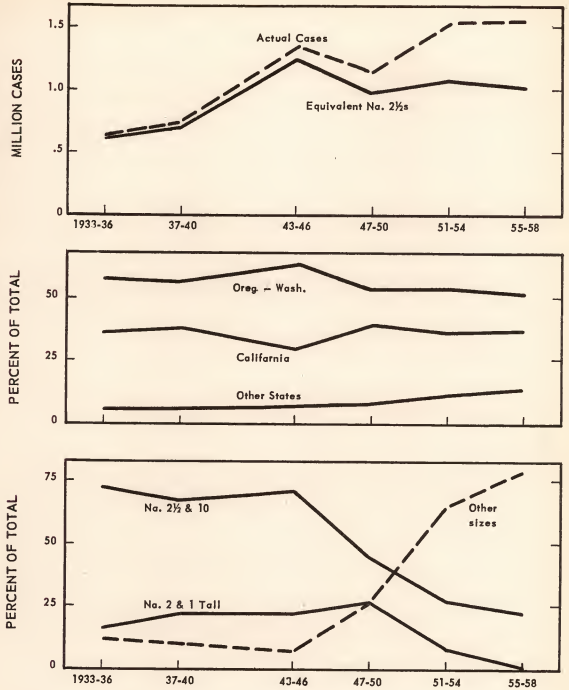


New York auction prices for Bing, Republican and Tartarian varieties remained in approximately constant relationship to each other during the past 30 years. Bing cherries sold for a premium of 10% above the average for all varieties, while Republicans and Tartarians sold at 10% below the average. Prices for Chapmans declined relative to those for other varieties. They were 20% above Bing prices during 1925-39 and now are at levels prevailing for Republicans and Tartarians.

Based on Table 9.

Figure 12

Canned Sweet Cherries: Composition of U.S. Pack, 1933-1958.

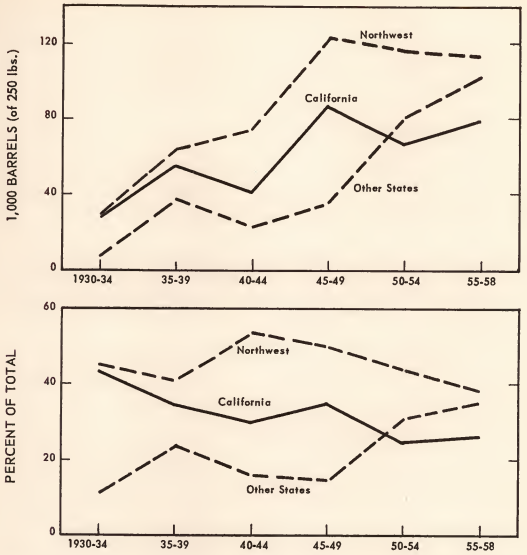


The U.S. pack leveled out at 1,000,000 cases (basis of No. 2 1/2s) since the war. California contributes 37%, Oregon-Washington 52% and other states 11%. Following the war period the use of larger cans declined rapidly--from 90 to 22% of the cases packed. As a result, the proportion in No. 303, 300 and 8 oz. cans quadrupled from 10% prewar to 78% for recent years.

Based on Table 10.

Figure 13

Brined Cherries: Composition of U.S. Production, 1930-1958.

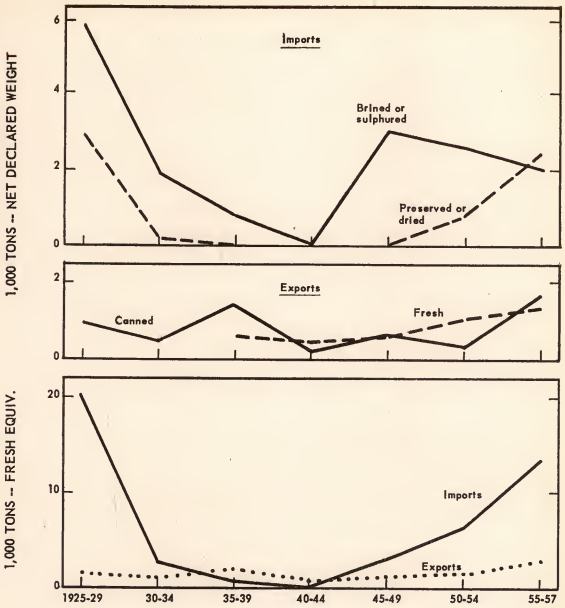


Brining of cherries expanded rapidly until the late 1940's--to 245,000 barrels compared to 66,000 for 1930-34. Since 1950 production increased further to 294,000 barrels for 1955-58. It declined somewhat on the Pacific Coast and increased sharply in other states. As a result the proportion contributed by California and the Northwest decreased from 36 to 27 and 45 to 38% of the total while other states rose from 19 to 35%.

Based on Table 11.

Figure 14

Sweet Cherries: U.S. Imports and Exports, 1925-1957.

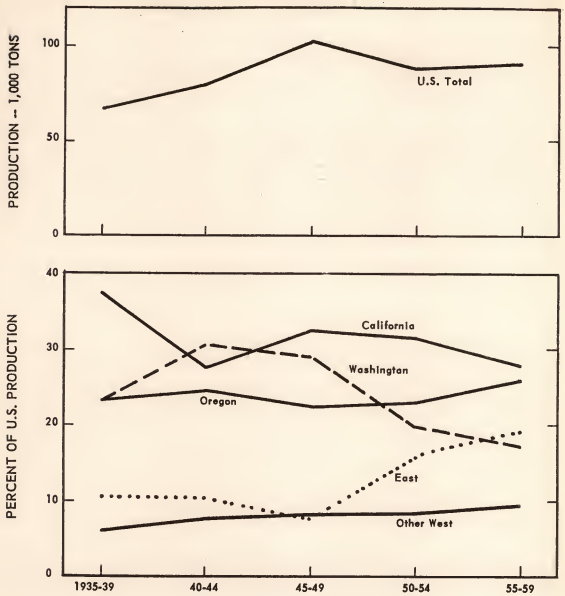


Imports and exports are small relative to the total U.S. cherry crop. They averaged 4-5 and 1%, respectively, of production since 1950. Over the years imports have varied drastically. Current imports are sharply above levels for 1930-54 but still one third below 1925-29. Exports have fluctuated less. At present exports are 50% above the previous high prevailing during 1935-39. On a fresh fruit basis exports are divided approximately equally between fresh and canned cherries, while the great bulk of imports consist of preserved cherries.

Based on Table 12.

Figure 15

Sweet Cherries: Composition of U.S. Production, 1935-1959.



The production pattern since 1950 is somewhat different from that prevailing earlier. Washington declined from 28 to 19% of the U.S. crop, while the East expanded from 10 to 18%. There was also a slight decrease for California (from 33 to 30%) which was offset by small increases in Oregon and "Other West".

Based on Tables 1, 14 and 15.

TABLE 1

California Cherries: Production, Acreage and Yields, 1910-1959

Crop year	Production		Acreage			Yield per bearing acre
	Total	Of no value	Bearing	Non-bearing	Total	
1	2	3	4	5	6	7
	tons		acres			tons
Averages:						
1910-1914	7,580	0				
1915-1919	10,240	0				
1920-1924	15,600	0	8,458	4,160	12,618	1.85
1925-1929	15,380	0	10,730	5,523	16,253	1.44
1930-1934	20,360	980	13,555	4,193	17,747	1.51
1935-1939	25,120	1,560	14,686	2,090	16,776	1.71
1940-1944	21,800	1,200	12,880	1,042	13,922	1.71
1945-1949	33,500	0	11,141	1,340	12,481	3.03
1950-1954	28,100	0	9,410	2,379	11,789	2.98
1955-1959	24,880	0	9,692			2.62
Annual:						
1930	18,000	0	12,670	4,918	17,588	1.42
1931	23,000	3,000	13,250	4,642	17,892	1.74
1932	18,500	1,500	13,597	4,403	18,000	1.36
1933	25,300	400	13,935	3,850	17,785	1.82
1934	17,000	0	14,322	3,150	17,472	1.19
1935	15,000	0	14,371	2,817	17,188	1.04
1936	23,000	0	14,564	2,512	17,076	1.58
1937	21,600	0	14,901	2,056	16,957	1.45
1938	30,000	4,800	14,893	1,711	16,604	2.01
1939	36,000	3,000	14,700	1,355	16,055	2.45
1940	11,000	0	13,802	1,241	15,043	0.80
1941	21,000	0	13,077	1,129	14,206	1.61
1942	33,000	5,000	12,555	1,034	13,589	2.63
1943	17,000	1,000	12,536	951	13,487	1.36
1944	27,000	0	12,429	857	13,286	2.17
1945	38,000	0	12,179	943	13,122	3.12
1946	34,000	0	11,982	927	12,909	2.84
1947	28,000	0	11,174	1,215	12,389	2.51
1948	23,500	0	10,458	1,520	11,978	2.25
1949	44,000	0	9,911	2,096	12,007	4.44
1950	31,000	0	9,416	2,187	11,603	3.29
1951	19,800	0	9,477	2,300	11,777	2.09
1952	39,500	0	9,546	2,461	12,007	4.14
1953	27,000	0	9,491	2,511	12,002	2.84
1954	23,200	0	9,121	2,437	11,558	2.54
1955	34,000	0	9,342	3,549	12,891	3.64
1956	34,300	0	9,359	3,539	12,898	3.66
1957	30,900	0	9,429	4,251	13,680	3.28
1958	12,200	0	9,932	4,200	14,132	1.28
1959 p/	13,000	0	10,400			1.25

p/ Preliminary

Sources: California Crop and Livestock Reporting Service, "California Fruit and Nut Crops: Acreage Production, Utilization, and Value, 1909-1955," (Spec. Pub. 261), July 1956, supplemented by later reports.

TABLE 2

California Sweet Cherries: Disposition of Sales, 1910-1958

Crop year	Total sold	Marketed fresh			Processed		
		Total	Out of state	Within state	Brined	Canned	Frozen
1	2	3	4	5	6	7	8
	tons, fresh weight						
Averages:							
1910-1914	7,250	3,550	1,780	1,770	0	3,700	0
1915-1919	9,810	4,450	2,260	2,190	0	5,360	0
1920-1924	15,120	7,640	4,760	2,880	40	7,440	0
1925-1929	14,930	8,430	5,300	3,130	1,160	5,340	0
1930-1934	18,920	10,850	6,680	4,170	3,690	4,380	0
1935-1939	23,290	11,940	6,280	5,660	6,910	4,440	0
1940-1944	20,300	12,060	6,160	5,900	5,120	3,060	60
1945-1949	33,200	13,840	8,300	5,540	10,820	7,400	1,140
1950-1954	27,800	13,300	8,900	4,400	8,420	6,020	60
1955-1958	27,550	11,650	7,950	3,700	9,875	6,025	0
Annuals:							
1930	17,550	9,200	6,200	3,000	2,150	6,200	0
1931	19,500	12,800	8,300	4,500	3,400	3,300	0
1932	16,500	10,200	5,800	4,400	3,200	3,100	0
1933	24,400	12,400	6,800	5,600	5,400	6,600	0
1934	16,650	9,650	6,300	3,350	4,300	2,700	0
1935	14,700	7,500	4,500	3,000	5,000	2,200	0
1936	22,750	11,700	7,100	4,600	7,750	3,300	0
1937	21,400	10,800	5,800	5,000	6,600	4,000	0
1938	24,900	14,100	6,900	7,200	5,900	4,900	0
1939	32,700	15,600	7,100	8,500	9,300	7,800	0
1940	10,700	6,900	3,500	3,400	2,400	1,400	0
1941	20,700	12,000	5,500	6,500	6,300	2,400	0
1942	27,700	15,400	8,300	7,100	7,400	4,900	0
1943	15,700	10,100	5,300	4,800	3,200	2,400	0
1944	26,700	15,900	8,200	7,700	6,300	4,200	300
1945	37,700	16,000	9,800	6,200	10,700	8,200	2,800
1946	33,700	14,500	9,200	5,300	7,500	9,200	2,500
1947	27,700	13,800	8,700	5,100	9,100	4,700	100
1948	23,200	7,700	5,000	2,700	11,700	3,800	0
1949	43,700	17,200	8,800	8,400	15,100	11,100	300
1950	30,700	16,950	11,400	5,550	7,700	6,000	50
1951	19,500	8,800	6,100	2,700	6,800	3,700	200
1952	39,200	16,750	10,300	6,450	12,200	10,200	50
1953	26,700	13,600	9,400	4,200	7,300	5,800	0
1954	22,900	10,400	7,300	3,100	8,100	4,400	0
1955	33,700	15,200	10,800	4,400	9,900	8,600	0
1956	34,000	14,900	10,400	4,500	11,700	7,400	0
1957	30,600	11,000	7,100	3,900	13,900	5,700	0
1958	11,900	5,500	3,500	2,000	4,000	2,400	0

Source: California Crop and Livestock Reporting Service, "California Fruit and Nut Crops: Acreage, Production, Utilization, and Value, 1909-1955," (Spec. Pub. 261), July 1956, supplemented by later reports.

TABLE 3

California Cherries: Returns to Growers,[a] by Type of Utilization, 1920-1958

Crop year	All uses		Marketed fresh			Processed		
	Per bearing acre	Per ton	Total	Out of state	Within state	Brined	Canned	Frozen
1	2	3	4	5	6	7	8	9
	dollars per fresh ton							
Averages:								
1920-1924	306.40	161.00	162.60	173.40	144.00		153.80	
1925-1929	248.40	172.00	179.20	185.20	169.80	159.80	163.60	
1930-1934	130.00	91.50	93.20	97.40	86.20	83.60	91.60	
1935-1939	171.40	112.10	114.62	118.80	108.40	106.30	114.40	
1940-1944	324.20	195.20	210.00	232.00	186.80	161.40	188.60	
1945-1949	782.60	269.00	289.80	302.00	272.60	248.00	267.00	232.75
1950-1954	854.20	297.80	349.20	358.00	330.00	237.00	271.20	228.00
1955-1958	872.10	313.50	374.50	372.50	375.00	246.75	301.25	
Annual:								
1930	210.00	148.00	155.00	160.00	146.00	140.00	140.00	
1931	140.00	93.00	109.00	120.00	89.00	50.00	75.00	
1932	75.00	60.00	61.00	65.00	56.00	56.00	61.00	
1933	118.00	66.00	61.00	62.00	60.00	70.00	72.00	
1934	107.00	90.50	80.00	80.00	80.00	102.00	110.00	
1935	130.00	125.00	121.00	122.00	120.00	125.00	140.00	
1936	161.00	102.00	104.00	120.00	80.00	95.50	109.00	
1937	246.00	170.00	171.00	180.00	160.00	165.00	175.00	
1938	142.00	84.20	95.10	90.00	100.00	71.00	69.00	
1939	178.00	79.30	82.00	82.00	82.00	75.00	79.00	
1940	112.00	141.00	150.00	150.00	150.00	120.00	135.00	
1941	204.00	127.00	131.00	155.00	110.00	117.00	138.00	
1942	330.00	148.00	153.00	175.00	128.00	136.00	152.00	
1943	345.00	270.00	301.00	340.00	258.00	196.00	240.00	
1944	630.00	290.00	315.00	340.00	288.00	238.00	278.00	238.00
1945	880.00	282.00	301.00	310.00	287.00	260.00	278.00	263.00
1946	863.00	304.00	320.00	320.00	320.00	298.00	300.00	240.00
1947	629.00	251.00	265.00	280.00	240.00	235.00	238.00	238.00
1948	733.00	326.00	349.00	360.00	330.00	310.00	329.00	
1949	808.00	182.00	214.00	240.00	186.00	141.00	190.00	190.00
1950	896.00	272.00	320.00	330.00	300.00	215.00	211.00	211.00
1951	754.00	361.00	414.00	420.00	400.00	300.00	350.00	320.00
1952	915.00	221.00	280.00	280.00	280.00	153.00	204.00	153.00
1953	851.00	299.00	348.00	370.00	300.00	240.00	258.00	
1954	855.00	336.00	384.00	390.00	370.00	277.00	333.00	
1955	972.00	267.00	311.00	320.00	290.00	195.00	273.00	
1956	1050.42	287.00	351.00	360.00	330.00	223.00	260.00	
1957	934.80	285.00	354.00	350.00	360.00	233.00	276.00	
1958	531.20	415.00	482.00	460.00	520.00	336.00	396.00	

a/ Returns for naked fruit at growers' first delivery point.

Source: California Crop and Livestock Reporting Service, "California Fruit and Nut Crops: Acreage, Production, Utilization, and Value, 1909-1955," (Spec. Pub. 261), July 1956, supplemented by later reports.

TABLE 4

California Cherries: Bearing Acreage by County, 1921-1956

County and district	1921	1926	1931	1936	1941	1946	1951	1956
1	2	3	4	5	6	7	8	9
All counties	8,100	9,890	13,250	14,564	13,077	11,982	9,477	9,359
Santa Clara Dist.								
Alameda	525	775	675	682	629	499	469	422
Monterey	15	18	18	79	80	63	128	100
San Benito	20	26	10	68	72	54	37	43
Santa Clara	1,850	1,600	2,009	2,201	2,602	2,682	2,611	2,991
Santa Cruz	250	340	405	487	559	424	287	125
Total	2,660	2,759	3,117	3,517	3,942	3,722	3,532	3,681
Stockton District								
San Joaquin	1,000	1,500	2,883	4,435	4,253	4,233	3,689	3,815
Stanislaus	65	100	150	137	144	159	67	40
Total	1,065	1,600	3,033	4,572	4,397	4,392	3,756	3,855
North Bay District								
Napa	275	300	300	350	225	186	135	90
Sonoma	727	1,052	1,587	1,706	1,397	940	636	534
Total	1,002	1,352	1,887	2,056	1,622	1,126	771	624
Other counties								
Contra Costa	200	215	275	156	97	136	153	142
El Dorado	80	120	165	114	150	175	120	116
Placer	525	550	690	732	340	321	119	89
Riverside	407	550	873	890	730	576	269	229
Sacramento	280	375	600	670	500	466	68	94
San Bernardino	200	285	331	254	166	129	27	33
Solano	875	1,000	1,050	579	535	447	348	272
Sutter	62	224	542	406	210	150	143	83
Yuba	20	50	63	129	64	43	30	17
Balance [a]	724	810	624	489	324	299	141	124
Total	3,373	4,179	5,213	4,419	3,116	2,742	1,418	1,199
Percent of total								
Santa Clara Dist.	32.8	27.9	23.5	24.2	30.2	31.1	37.3	39.3
Stockton Dist.	13.2	16.2	22.9	31.4	33.6	36.6	39.6	41.2
North Bay Dist.	12.4	13.7	14.2	14.1	12.4	9.4	8.1	6.7
Other	41.6	42.2	39.4	30.3	23.8	22.9	15.0	12.8

[a] All counties not enumerated separately above.

Source: California Crop and Livestock Reporting Service, "Acreage Estimates, California Fruit and Nut Crops, 1919-1953," (Spec. Pub. 257, Supp.), April 1959; and "Acreage Estimates, California Fruit and Nut Crops, as of 1956," June 1957.

TABLE 5

California Cherries: Acreage by Age, Variety, and County, 1936 and 1956[a/]

Variety and county	Old bearing trees b/		Young bearing trees c/		Nonbearing trees d/		All trees	
	1936	1956	1936	1956	1936	1956	1936	1956
1	2	3	4	5	6	7	8	9
All counties								
Royal Ann	2,835	2,235	1,876	958	462	891	5,173	4,084
Bing	1,390	2,362	2,457	1,311	609	2,066	4,456	5,739
Black Republican	448	146	335	24	95	27	878	197
Tartarian	1,454	1,008	1,438	239	348	163	3,240	1,410
Chapman	210	208	262	46	185	6	657	260
Lambert	318	331	458	57	121	103	897	491
Misc. varieties	499	304	552	130	380	283	1,431	717
All varieties	7,154	6,594	7,378	2,765	2,200	3,539	16,732	12,898
Santa Clara District								
Alameda	376	410	306	12	125	4	807	426
Monterey	10	39	69	61	5	16	84	116
San Benito	4	37	64	6	3	5	71	48
Santa Clara	1,453	1,728	748	1,263	737	1,257	2,938	4,248
Santa Cruz	260	114	226	11	117	7	603	132
Total	2,103	2,328	1,413	1,353	987	1,289	4,503	4,970
Royal Ann	794	915	461	580	303	503	1,558	1,998
Bing	433	752	361	601	278	641	1,072	1,994
Black Republican	154	113	109	23	66	19	329	155
Tartarian	523	407	325	106	168	40	1,016	553
Chapman	8	0	7	1	13	0	28	1
Lambert	67	47	64	6	46	5	177	58
Misc. varieties	124	94	86	36	113	81	323	211
Stockton District								
San Joaquin	1,272	2,796	2,767	1,019	276	1,819	4,315	5,634
Stanislaus	30	23	107	17	28	33	165	73
Total	1,302	2,819	2,874	1,036	304	1,852	4,480	5,707
Royal Ann	461	773	701	300	42	307	1,204	1,380
Bing	335	1,204	1,210	577	132	1,191	1,677	2,972
Black Republican	37	25	64	1	9	4	110	30
Tartarian	340	439	492	89	65	90	897	618
Chapman	30	116	99	24	17	4	146	144
Lambert	70	208	203	19	23	86	296	313
Misc. varieties	29	54	105	26	16	170	150	250

(Continued on next page.)

Table 5 continued.

Variety and county	Old bearing trees b/		Young bearing trees c/		Nonbearing trees d/		All trees	
	1936	1956	1936	1956	1936	1956	1936	1956
1	2	3	4	5	6	7	8	9
Other counties								
Contra Costa	34	55	122	87	7	161	163	303
El Dorado	49	113	65	3	64	2	178	118
Napa	490	58	180	32	31	12	701	102
Placer	491	85	241	4	59	2	791	91
Riverside	223	176	666	53	90	36	979	265
Sacramento	295	91	375	3	64	26	734	120
San Bernardino	80	4	175	29	8	3	263	36
Solano	419	205	160	67	331	42	910	314
Sonoma	1,339	476	367	58	41	31	1,747	565
Sutter	146	83	260	0	119	21	525	104
Balance e/	183	101	480	40	95	62	758	203
Total	3,749	1,447	3,091	376	909	398	7,749	2,221
Royal Ann	1,579	547	714	78	116	81	2,409	706
Bing	622	406	886	133	200	234	1,708	773
Black Republican	256	8	163	0	20	4	439	12
Tartarian	591	162	619	44	116	33	1,326	239
Chapman	173	92	157	21	154	2	484	115
Lambert	182	76	191	32	52	12	425	120
Misc. varieties	346	156	361	68	251	32	958	256

a/ Data for 1936 are those issued in 1938 (see source below) adjusted slightly by rounding from 0.1 acre data. Subsequent bearing and nonbearing acreage estimates have been revised on a state basis. Comparison with Table 4 shows that the revisions made in bearing acreage were not large--primarily an increase in San Joaquin County and a decrease in Napa County.

b/ Bearing trees 17 or more seasons since planting.

c/ Bearing trees 16 or less seasons since planting.

d/ Generally 5 or less seasons since planting.

e/ All counties not enumerated separately above.

Sources: U.S.D.A., Agricultural Adjustment Administration, "California Fruit and Nut Acreage Survey, 1936," (Stat. Pub. No. 1), Washington, January 1938; California Crop and Livestock Reporting Service, "Acreage Estimates, California Fruit and Nut Crops, as of 1956," issued June 1957, supplemented by unpublished data (for varietal breakdown by counties) furnished by this office, July 1958.

TABLE 6

California Cherries: Interstate Rail Passings, by County, by 10-day Periods,[a] 1945-1958

Year and county	May 1-10[b]	May 11-20	May 21-30	June 1-10	June 11-20	June 21-30[c]	Season
1	2	3	4	5	6	7	8
	cars shipped						
1945-1949 average							
San Joaquin	24.6	93.6	131.4	117.2	22.0		388.8
Santa Clara	2.0	20.2	93.2	136.8	96.8	23.4	372.4
Other counties		0.8	1.6	0.6			3.0
State total	26.6	114.6	226.2	254.6	118.8	23.4	764.2
1950-1954 average							
San Joaquin	19.4	63.0	139.4	141.6	22.8		386.2
Santa Clara	0.2	3.8	74.4	138.2	153.6	13.0	383.2
Other counties				0.6	0.2		0.8
State total	19.6	66.8	213.8	280.4	176.6	13.0	770.2
1955-1958 average							
San Joaquin	9.8	48.7	85.5	130.5	52.2	3.5	330.2
Santa Clara	0.2	3.8	38.8	113.5	130.0	60.2	346.5
Other counties					0.1		0.1
State total	10.0	52.5	124.3	224.0	182.3	63.7	676.8
	percent of season total						
San Joaquin							
1945-1949	6.3	24.1	33.8	30.1	5.7		100.0
1950-1954	5.0	16.3	36.1	36.7	5.9		100.0
1955-1958	3.0	14.7	25.9	39.5	15.8	1.1	100.0
Santa Clara							
1945-1949	.5	5.4	25.0	36.8	26.0	6.3	100.0
1950-1954	.1	1.0	19.4	36.0	40.1	3.4	100.0
1955-1958	.1	1.1	11.2	32.7	37.5	17.4	100.0
State total							
1945-1949	3.5	15.0	29.6	33.3	15.5	3.1	100.0
1950-1954	2.5	8.7	27.8	36.4	22.9	1.7	100.0
1955-1958	1.5	7.8	18.4	36.0	26.9	9.4	100.0

a/ Excludes cars to processors and "mostly cherries" in mixed cars, but includes government purchases, if any.

b/ Includes shipments from San Joaquin made before May 1 of 13 cars in 1947--i.e., 2.6 in average.

c/ Includes shipments from Santa Clara made after June 30 of 1 car in 1948 and 2 cars in 1955--i.e., 0.2 and 0.5 in averages.

Source: California Federal-State Market News Service, "Interstate Shipments of California Deciduous Tree Fruits," annual issues for 1945-1958.

TABLE 7

California Cherries: Monthly Carlot Shipments, 1945-1958

Year	Rail shipments[a]					Truck shipments[b]				
	April	May	June	July	Total	April	May	June	July	Total
1	2	3	4	5	6	7	8	9	10	11
Averages:										
1945-1949	2.6	370.2	402.4	.2	775.4	.8	125.2	200.0	28.2	354.2
1950-1954	0	302.2	470.8	0	773.0	0	77.2	156.6	9.2	243.0
1955-1958	.2	186.3	489.8	.5	676.8	0	74.0	151.5	15.7	241.2
Annual:										
1945		340	585		925		147	187	41	375
1946		375	499		874		124	192	24	340
1947	13	694	112		819	4	200	145	3	352
1948		91	366	1	458		31	134	22	187
1949		351	450		801		124	342	51	517
1950		472	529		1001		106	183	10	299
1951		194	338		532		43	105	4	152
1952		257	640		897		79	252	25	356
1953		351	458		809		88	130	7	225
1954		237	389		626		70	113	0	183
1955		107	804	2	913		40	213	31	284
1956		191	684		875		72	198	26	296
1957		262	370		632		110	131	4	245
1958	1	185	101		287		74	64	2	140

a/ Includes boat shipments and government purchases reduced to carlot equivalents.

b/ Includes unloads at Los Angeles, Oakland and San Francisco of truck receipt from California points. Information not available for truck shipments to other California cities.

Source: California Crop and Livestock Reporting Service and Federal-State Market News Service, "California Carlot Shipments, Fruits and Vegetables," annual issues for 1945-1958.

TABLE 8

Cherries: Monthly Carlot Shipments,[a] by State of Origin, 1950-1958

State	May	June	July	Aug.	Total
1	2	3	4	5	6
1950-1954 average					
Washington		309	425	25	759
Oregon		62	89	1	152
Utah		37	204	0	241
Other		45	87	49	181
Subtotal		453	805	75	1,333
California	302	471			773
Total	302	924	805	75	2,106
1955-1958 average					
Washington		257	366	28	651
Oregon		46	82	7	135
Utah		37	149	0	186
Other		26	91	34	151
Subtotal		366	688	69	1,123
California	186	490	1		677
Total	186	856	689	69	1,800

a/ Includes boat shipments and government purchases reduced to carlot equivalents but excludes truck shipments.

Source: U.S.D.A., Agricultural Marketing Service (and predecessor agencies), "Fresh Fruit and Vegetable Shipments, by Commodities, States and Months," annual issues for 1950-1958.

TABLE 9

California Cherries: New York Auction Prices, by Variety, 1925-1958[a/]

Year	Bing	Burbank	Chapman	Lambert	Republican	Royal Ann	Tartarian	All
1	2	3	4	5	6	7	8	9
	Cents per pound [b/]							
Average:								
1925-29	28.1		32.3		19.6	18.4	22.8	23.8
1930-34	17.2		22.6		13.0	12.6	15.2	15.7
1935-39	14.9		17.1		11.8	12.3	12.4	13.7
1940-44	25.4	21.0[c/]	24.6	22.6[c/]	23.0	20.7	22.0	23.8
1945-49	32.1	35.3	37.5	28.6	24.5	26.7	27.4	30.4
1950-54	41.0	30.9	28.8	38.5	32.8		29.4	36.4
1955-58	43.1	31.7	33.4	38.4	32.8	32.0	32.5	
Annual:								
1940	18.7		13.6		17.5	12.0	14.9	16.8
1941	18.4	12.9	22.6	17.1	16.4	16.7	15.2	17.0
1942	18.1	15.3	21.7	14.3	13.1	18.0	19.0	18.2
1943	37.5	25.7	23.7	36.5	36.7	28.6	29.3	34.1
1944	34.3	36.5	41.4	29.4	31.1	28.3	31.8	33.1
1945	29.6	32.1	32.1	26.7	20.1	29.2	31.3	30.5
1946	32.5	40.5	45.6	29.4	22.8	26.9	24.6	29.5
1947	32.0	30.5	33.5	31.7	27.2	23.7	25.3	29.7
1948	39.7	44.2	44.8	32.3	30.7	29.5	31.7	36.5
1949	26.7	29.1	31.7	22.8	21.7	24.0	24.2	25.9
1950	37.3	31.3	28.9	37.6	31.3		25.4	33.6
1951	46.2	30.5	27.2	45.2	42.1		29.4	38.4
1952	32.7	29.3	32.3	28.9	24.3	26.6	28.3	31.2
1953	43.7	40.1	33.2	37.7	29.4	29.3	35.2	40.1
1954	45.3	23.2	22.3	42.9	36.7		28.5	38.8
1955	41.1	30.7	36.2	35.7	28.8	28.8	30.9	38.0
1956	41.4	22.3	25.5	35.3	28.6	28.9	31.3	
1957	39.7	32.8	32.9	33.5	29.8	31.7	29.7	
1958	50.3	41.0	39.0	49.1	43.9	38.8	38.0	
	Percent of season average price							
1925-29	118.1		135.7		82.4	77.3	95.8	
1930-34	109.6		143.9		82.8	80.3	96.8	
1935-39	108.8		124.8		86.1	89.8	90.5	
1940-44	106.7	88.2	103.4	95.0	96.6	87.0	92.4	
1945-49	105.6	116.1	123.4	94.1	80.6	87.8	90.1	
1950-54	112.6	84.9	79.1	105.8	90.1	79.2[d/]	80.8	

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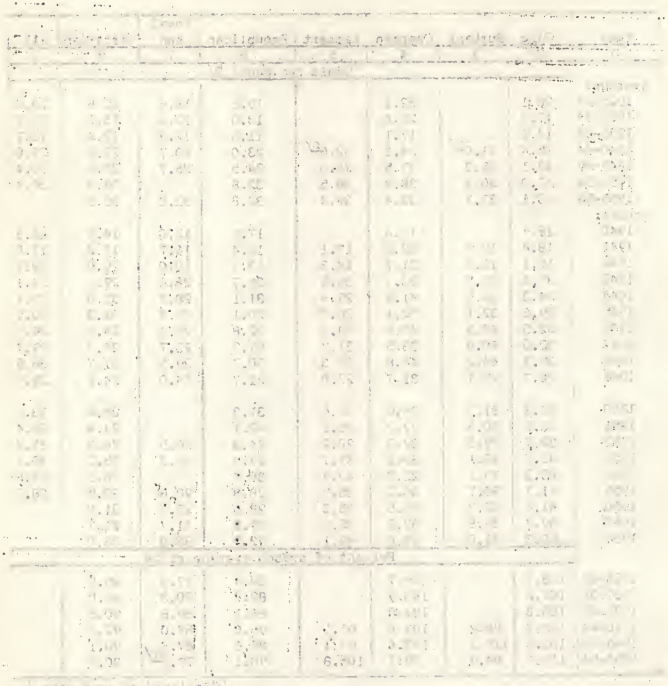

Table 9 continued.

a/ Data not available for Burbank and Lambert before 1941. No sales reported for Royal Ann during 1950, 1951 and 1954.

b/ Prices for 1925-55 were compiled from daily sales reports giving prices e per package. Prices for 1956-58 were obtained from monthly averages using approximations for relative monthly sales as follows:
Bing - 1:6:1 for May, June and July sales in 1956, 1957 and 1958;
Burbank - 3:1 for May and June sales in 1956; Lambert - 3:1 for June and July sales in 1956; Republican - 3:1 for June and July sales in 1956 and for June and May sales in 1958; Tartarian - 3:1 for May and June sales in 1956, 1957 and 1958. The other 11 prices for 1956-58 refer to sales made entirely within one calendar month and are comparable to prices listed for 1925-55, whereas the 10 prices covering sales in 2 or 3 months may not be exactly comparable.

c/ Average for 1941-44 multiplied by 0.93, the ratio between "All" variety averages for 1940-44 and 1941-44.

d/ Based on two years.

Source: Shear, S. W. and R. E. Blair, "California Fruit Statistics and Related Data," (Calif. Agr. Exp. Sta. Bul. 763), June 1958 supplemented by U.S.D.A., Agricultural Marketing Service, "Fresh Fruit and Vegetable Prices," annual reports for 1956-58.

Canned Sweet Cherries: U.S. Pack, by Can Size and State, 1933-1958

Can size and state [a]	1933-1936	1937-1940	1943-1946 [b]	1947-1950	1951-1954	1955-1958
1	2	3	4	5	6	7
	1,000 actual cases					
No. 10	161	176	191	169	226	231
No. 2 1/2	288	317	748	350	190	113
No. 2	45	58	294	212	106	
No. 1 Tall	59	107	4	100	20	
No. 303 & 300				146	716	980
8 Oz.	60	79	2	156	227	191
Misc.	14	1	96	12	28	13
Total	627	738	1335	1145	1513	1528
California	229	281	406	454	535	556
Wash.-Oreg.	358	412	841	609	811	768
Michigan	26	14	25	59	127	184
Utah	9	28	59	16		
Other states	5	3	4	7	40	20
	1,000 cases - basis of 24 No. 2 1/2 cans					
United States	596	707	1232	964	1052	1001
California	222	272	371	396	371	364
% California	37.2	38.5	30.1	41.1	35.2	36.4
	percent of U.S. pack - actual cases					
No. 10	25.7	23.8	14.3	14.8	14.9	15.1
No. 2 1/2	45.9	43.0	56.0	30.6	12.6	7.4
No. 2	7.2	7.9	22.0	18.5	7.0	
No. 1 Tall	9.4	14.5	.3	8.7	1.3	
No. 303 & 300				12.7	47.3	64.1
8 Oz. & Misc.	11.8	10.8	7.4	14.7	16.9	13.4

a/ No. 303 & 300 for 1933-46 and No. 2 for 1955-58 included in Misc. Small pack of No. 1 Tall for 1955-58 included in No. 303 & 300. Idaho and Montana packs (which are small) included in Wash.-Oreg. data for most years. Utah pack included with other states after 1950.

b/ Pack in smaller sizes restricted by wartime in order issued by War Production Board.

Source: National Canners Association, "Canned Food Pack Statistics," annual issues, and Canners League of California, "Pack Statistics," annual issues.

TABLE 11

Brined Cherries: U.S. Production, by Major Regions, 1930-1958

	California			Northwest			Other States	United States Total
	Royal Ann	Other	Total	Royal Ann	Other	Total		
1	2	3	4	5	6	7	8	9
	1,000 barrels (of 250 lbs.)							
Averages:								
1930-34			28.6			30.4	7.3	66.3
1935-39			55.2	43.0[a]	21.4[a]	64.4	38.3	157.9
1940-44	35.5[a]	5.8[a]	41.3	53.4	22.0	75.4	22.7	139.4
1945-49	58.5	27.9	86.4	68.7	53.9	122.6	36.1	245.1
1950-54	42.0	25.4	67.4	83.7	32.9	116.6	81.1	265.1
1955-58	46.0	32.7	78.7	77.7	35.4	113.1	102.3	294.1
Annual:								
1930			17.4			11.6	7.0	36.0
1931			28.0			18.2	7.0	53.2
1932			25.5			34.2	6.8	66.5
1933			40.0			55.9	7.1	103.0
1934			32.0			32.0	8.6	72.6
1935			40.0			47.1	18.3	105.4
1936			62.0	47.3	14.7	62.0	54.0	178.0
1937			52.7	37.3	34.6	71.9	56.0	180.6
1938			47.3	56.1	22.1	78.2	28.5	154.0
1939			74.1	43.0	19.8	62.8	34.5	171.4
1940			18.7	75.8	21.6	97.4	43.0	159.1
1941	41.9	8.7	50.6	53.2	21.8	75.0	28.6	154.2
1942	53.0	5.9	58.9	34.0	19.1	53.1	31.8	143.8
1943	23.0	2.5	25.5	55.1	20.8	75.9	0	101.4
1944	43.4	9.5	52.9	48.6	26.9	75.5	10.3	138.7
1945	68.4	17.4	85.8	54.0	40.0	94.0	1.3	181.1
1946	46.8	13.1	59.9	98.3	59.3	157.6	27.4	244.9
1947	51.6	20.9	72.5	39.3	63.0	102.3	33.2	208.0
1948	56.1	37.1	93.2	44.7	54.7	99.4	52.3	244.9
1949	69.8	51.1	120.9	107.1	52.4	159.5	66.1	346.5
1950	41.4	20.4	61.8	86.8	31.8	118.6	81.3	261.7
1951	39.3	15.3	54.6	45.1	26.1	71.2	86.7	212.5
1952	55.1	42.3	97.4	51.5	19.3	70.8	60.7	228.9
1953	40.5	17.8	58.3	90.7	46.4	137.1	70.6	266.0
1954	33.4	31.3	64.7	144.2	41.2	185.4	106.4	356.5
1955	46.7	32.2	78.9	111.2	41.8	153.0	90.2	322.1
1956	67.1	26.7	93.8	52.1	18.1	70.2	50.5	214.5
1957	55.0	55.7	110.7	54.8	21.1	75.9	132.2	318.8
1958	15.1	16.3	31.4	92.6	60.5	153.1	136.5	321.0
1959	24.1	17.2	41.3					

a/ Estimated averages assuming same division between Royal Ann and Other for first year of average (1940 in California and 1935 in Northwest) as prevailed during subsequent four years.

Source: Western Canner and Packer, "Statistical Review and Yearbook Number," (San Francisco), annual reports for 1948 and 1959, supplemented by Canners League of California, "Pack Statistics" for 1957-1959.

Cherries: U.S. Exports and Imports, 1925-1957 [a]

Year beginning July	Exports		Imports		Total	
	Canned	Fresh	Natural, sulphured, or in brine	Dried or preserved	Exports	Imports
1	2	3	4	5	6	7
	tons--declared net weight				tons--fresh equiv. [b]	
Averages:						
1925-29	962		5,931	2,942	866	19,905
1930-34	490		1,875	162	441	2,645
1935-39	1,470	616 [d]	755	17	1,939	836
1940-44	313	436	9	8	768	47
1946-49	668	618	2,965	10	1,219	3,030
1950-54	365	1,093	2,611	803	1,422	6,427
1955-57	1,690	1,310	1,992	2,422	2,831	13,498
Annual:						
1945	588	388	68	[e]	917	68
1946	1,363	1,019	2,296	2	2,246	2,306
1947	568	806	5,248	2	1,317	5,258
1948	475	24	2,047	5	451	2,069
1949	266	625	2,348	29	864	2,486
1950	303	624	3,556	252	897	4,753
1951	424	1,166	4,152	656	1,548	7,268
1952	462	1,013	2,092	483	1,429	4,386
1953	322	1,132	1,317	1,108	1,422	6,580
1954	314	1,530	1,937	1,518	1,813	9,147
1955	1,044	1,646	1,358	1,530	2,586	8,626
1956	671	1,274	1,646	2,802	1,878	14,955
1957	3,355	1,010	2,971	2,935	4,030	16,912

[a] First complete years (fiscal basis) are 1922-23 for canned exports, 1936-37 for fresh exports and 1924-25 for imports.

[b] Fresh fruit equivalents derived using the following approximate conversion factors: canned 0.90, fresh 1.00, brined 1.00 and dried 4.75.

[c] Canned only.

[d] Average of four years. Not segregated before January 1936.

[e] Less than 500 pounds.

Source: USDA "Agricultural Statistics," issues for 1957 and 1958.

TABLE 13

Canned Cherries: U.S. Exports, by Country of Destination, Years Beginning July 1, 1934-1957

Destination	Europe	Canada	Latin America	Other	Total
1	2	3	4	5	6
	tons - declared net export weight				
1925-29					962
1930-33					437
1934-38	957	22	65	305	1,349
1940-44	58	18	97	139	312
1946-49	42	60	194	372	668
1950-54	15	59	117	174	365
1955-57					1,690

Source: Shear, S. W., and R. E. Blair, "California Fruit Statistics and Related Data" University of California, Berkeley, June 1958 (Calif. Agr. Exp. Sta. Bul. 763) and USDA "Agricultural Statistics," 1940 issue (for 1925-33 data) and 1958 issue (for 1955-57 data).

1920–29						
1930–39						
1940–49						
1950–59						
1960–69						
1970–79						
1980–89						

TABLE 14

Cherries: U.S. Production and Utilization, by Regions, 1935-1959
fresh tons

Year	Production[a] West	East	U.S.	Utilization[a] Total	Farm use	Fresh sales	Canned [b]	Frozen	Brined [c]
1	2	3	4	5	6	7	8	9	10
				Sour varieties					
Averages:									
1935-39[d]	13,132	68,652	81,784	81,272	7,152	13,514	48,523	12,083	
1940-44	14,150	74,774	88,924	87,940	6,422	11,581	47,119	22,507	307
1945-49	12,010	86,562	98,572	98,424	4,664	8,268	49,936	34,172	1,384
1950-54	9,954	123,418	133,372	130,152	3,562	7,675	70,627	47,356	932
1955-58	11,082	113,988	125,070	125,070	2,549	6,712	59,374	55,143	1,292
Annual:									
1950	7,880	147,360	155,240	155,240	4,595	8,565	87,810	52,920	1,350
1951	13,960	142,800	156,760	148,060	4,205	8,454	84,256	49,895	1,250
1952	8,350	108,700	117,050	109,650	3,265	6,925	67,285	31,675	500
1953	7,960	123,530	131,490	131,490	3,070	7,315	61,330	59,035	740
1954	11,620	94,700	106,320	106,320	2,675	7,115	52,455	43,255	820
1955	10,820	138,700	149,520	149,520	2,690	7,110	79,363	58,689	1,668
1956	9,840	89,900	99,740	99,740	2,505	6,458	44,903	44,254	1,620
1957	12,550	134,550	147,100	147,100	2,570	6,884	65,489	71,042	1,115
1958	11,120	92,800	103,920	103,920	2,430	6,398	47,739	46,588	765
1959[p]	7,910	131,300	139,210						
				Sweet varieties					
Averages:									
1935-39[d]	60,258	7,058	67,316	62,106	5,444	28,265	11,945		16,452
1940-44	71,494	8,132	79,626	76,112	6,472	35,850	15,387	447	17,956
1945-49	94,538	7,920	102,458	100,114	5,792	39,872	21,180	2,876	30,394
1950-54	74,038	14,876	88,914	88,440	4,287	36,346	16,164	542	31,101
1955-58	73,927	16,575	90,502	89,702	3,500	32,579	16,855	577	36,191
Annual:									
1950	67,140	14,910	82,050	82,050	4,916	34,868	11,711	435	30,120
1951	57,370	15,180	72,550	71,330	4,240	27,063	13,942	585	25,500
1952	85,100	15,350	100,450	99,300	4,530	45,235	21,725	970	26,840
1953	78,480	13,130	91,610	91,610	3,845	37,655	16,945	245	32,920
1954	72,100	15,810	97,910	97,910	3,905	36,910	16,495	475	40,125
1955	97,380	15,710	113,090	110,890	4,335	43,511	23,134	100	39,810
1956	58,130	10,140	68,270	68,270	3,110	25,086	11,860	200	28,014
1957	73,590	19,450	93,040	92,360	3,230	32,398	16,276	460	39,996
1958	66,610	21,000	87,610	87,290	3,325	29,322	16,150	1,550	36,943
1959[p]	57,230	22,820	80,050						

a/ Differences between production and utilization are economic abandonment. West includes California, Oregon, Washington, Utah, Colorado, Idaho and Montana; East includes New York, Pennsylvania, Ohio, Michigan and Wisconsin.

b/ Includes sour cherries used for juice, wine, preserves and candied cherries.

c/ Includes sweet cherries used for juice, wine, preserves and candied cherries and some sweet cherries frozen through 1942.

d/ Data for 1935-37 include approximate estimates for some states, made by S. W. Shear (see source below), of production and utilization separately for sour and sweet varieties based on U.S.D.A. figures reported for all varieties.

(Continued on next page.)

Table 14 continued.

p/ Preliminary.

Source: U.S.D.A., Bureau of Agricultural Economics and Agricultural Marketing Service publications: "Fruits (Noncitrus), Production, Farm Disposition, Value, and Utilization of Sales, 1889-1944," (Pub. CS-27), May 1948; "1944-49" (Stat. Bul. No. 114), Oct. 1952; "1949-55" (Stat. Bul. No. 192), Sept. 1956; and later annual reports. Shear, S. W. and R. E. Blair, "California Fruit Statistics and Related Data," (Calif. Agr. Exp. Sta. Bul. 763), June 1958.

Table 14 continued.

TABLE 15

Sweet Cherries: Production and Utilization, by States, 1935-1959
fresh tons

Year	Production[a] Total	% of U.S.	Utilization[a] Total	Farm use	Fresh sales	Canned	Frozen	Brined[b]
1	2	3	4	5	6	7	8	9
			Oregon					
Averages:								
1935-39	15,620	23.2	14,480	1,240	2,594	4,200		6,446
1940-44	19,480	24.5	18,480	1,600	3,645	5,894	220	7,121
1945-49	23,060	22.5	22,040	1,700	3,810	7,020	360	9,150
1950-54	20,420	23.0	20,420	1,440	3,318	4,990	0	10,672
1955-58	22,325	24.7	22,325	1,525	3,175	5,125	150	12,350
Annual:								
1955	31,000	27.4	31,000	1,900	4,700	8,300	100	16,000
1956	15,200	22.3	15,200	1,300	2,200	2,200	200	9,300
1957	17,800	19.1	17,800	1,400	2,800	4,400	0	9,200
1958	25,300	28.9	25,300	1,500	3,000	5,600	300	14,900
1959[p]	25,100	31.3						
			Washington					
Averages:								
1935-39	15,560	23.1	13,480	1,796	8,013	2,009		1,662
1940-44	24,300	30.5	23,140	1,962	13,898	4,338	136	2,806
1945-49	29,580	28.9	28,420	1,934	14,866	5,206	766	5,648
1950-54	17,860	20.1	17,616	1,000	11,084	3,107	230	2,195
1955-58	15,875	17.5	15,125	539	9,255	3,218	427	1,686
Annual:								
1955	23,500	20.8	21,500	825	14,500	3,800	0	2,375
1956	5,700	8.3	5,700	570	3,130	1,000	0	1,000
1957	15,800	17.0	15,120	380	8,740	3,820	460	1,720
1958	18,500	21.1	18,180	380	10,650	4,250	1,250	1,650
1959[p]	13,700	17.1						
			Other Western States					
Averages:								
1935-39[c]	3,958	5.9						
1940-44	5,914	7.4	5,780	578	3,910	903	24	365
1945-49	8,398	8.2	8,234	600	5,140	828	436	1,230
1950-54	7,658	8.6	7,488	393	5,496	365	120	1,114
1955-58	7,877	8.7	7,827	392	5,879	181	0	1,375
Annual:								
1955	8,880	7.9	8,680	420	6,481	199	0	1,580
1956	2,930	4.3	2,930	270	2,546	0	0	114
1957	9,090	9.8	9,090	460	7,133	126	0	1,371
1958	10,610	12.1	10,610	420	7,357	400	0	2,433
1959[p]	5,430	6.8						
			Great Lake States					
Averages:								
1935-39[c]	7,058	10.5	10,586	2,138	5,718	1,296		1,434
1940-44	8,132	10.2	8,112	2,032	2,337	1,192	7	2,544
1945-49	7,920	7.7	7,920	1,258	2,216	726	174	3,546
1950-54	14,876	16.7	14,816	1,154	3,148	1,682	132	8,700
1955-58	16,575	18.3	16,575	744	2,620	2,306	0	10,905
Annual:								
1955	15,710	13.9	15,710	890	2,630	2,235	0	9,955
1956	10,140	14.9	10,140	670	2,310	1,260	0	5,900
1957	19,450	20.9	19,450	690	2,725	2,230	0	13,805
1958	21,000	24.0	21,000	725	2,815	3,500	0	13,960
1959[p]	22,820	28.5						

(Continued on next page.)

Table 15 continued.

Year	Production[a] Total	% of U.S.	Utilization[a] Total	Farm use	Fresh sales	Canned	Frozen	Brined[b]
1	2	3	4	5	6	7	8	9
Averages:			California					
1935-39	25,120	37.3	23,560	270	11,940	4,440	0	6,910
1940-44	21,800	27.4	20,600	300	12,060	3,060	60	5,120
1945-49	33,500	32.7	33,500	300	13,840	7,400	1,140	10,820
1950-54	28,100	31.6	28,100	300	13,300	6,020	60	8,420
1955-58	27,850	30.8	27,850	300	11,650	6,025	0	9,875
Averages:			U.S. Total					
1935-39	67,316		62,106	5,444	28,265	11,945		16.452
1940-44	79,626		76,112	6,472	35,850	15,387	447	17,956
1945-49	102,458		100,114	5,792	39,872	21,180	2,876	30,394
1950-54	88,914		88,440	4,287	36,346	16,164	542	31,101
1955-58	90,502		89,702	3,500	32,579	16,855	577	36,191

a/ Differences between production and utilization are economic abandonment.

b/ Includes quantities used for juice, wine, preserves and candied cherries, and some sweet cherries frozen through 1942.

c/ For 1935-39 utilization data for "Other Western States" included with "Great Lake States." They are U.S. totals (Table 14) minus figures for Oregon and Washington above and for California (Table 2).

p/ Preliminary.

Source: Table 14 and U.S.D.A., Bureau of Agricultural Economics and Agricultural Marketing Service publications: "Fruits (Noncitrus), Production, Farm Disposition, Value, and Utilization of Sales, 1889-1944," (Pub. CS-27), May 1948; "1944-49" (Stat. Bul. No. 114), Oct. 1952; "1949-55" (Stat. Bul. No. 192), Sept. 1956; and later annual reports.

TABLE 16

Canned Fruits: U.S. Pack of Selected Fruits, by States,[a] 1930-1958

Year	Apricots		Sweet cherries		Fruit cocktail	Fruit salad[b]	Pears		Peaches			Pineapple[d]	Total seven items
	Calif.	Other states	Calif.	Other states	Calif.	Calif.	Calif.	Other states	Calif. Clings[c]	Calif. Frees	Other states		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	1,000 cases--basis of 24 No. 2 1/2 cans												
Averages:													
1930-34	1,991	80	261	383	[e]	1,868	1,938	2,545	9,288	124	98	8,100	26,676
1935-39	3,300	73	267	388	2,565	1,310	1,655	3,269	10,753	629	388	9,000	33,597
1940-44	3,542	188	188	648	5,364	414	1,677	3,740	11,204	1,050	1,125	9,087	38,227
1945-49	4,839	179	459	799	7,869	1,025	1,503	3,425	15,414	1,250	1,576	9,040	47,378
1950-54	3,900	67	371	619	8,254	876	2,499	4,131	16,227	2,567	1,257	13,152	53,920
1955-58	3,906	119	364	637	10,554	1,055	4,100	4,319	19,260	4,013	1,997	14,233	64,557
Annual:													
1940	1,815	385	87	509	4,361	601	1,532	3,988	9,765	1,134	595	8,660	33,432
1941	4,072	191	147	721	5,107	634	1,792	4,770	10,768	2,152	1,749	8,940	41,043
1942	2,998	251	307	663	5,562	593	1,893	4,042	12,961	1,089	1,976	9,550	41,885
1943	1,125	51	144	738	5,621	75	1,747	2,703	10,203	537	366	9,460	32,770
1944	7,701	64	258	608	6,167	167	1,419	3,199	12,321	339	938	8,823	42,004
1945	3,949	148	509	796	6,035	565	1,475	3,067	12,248	520	1,504	7,553	38,369
1946	10,224	371	573	1,300	7,752	1,292	1,326	4,140	17,445	1,024	2,029	8,012	55,488
1947	3,063	194	289	309	9,386	803	1,459	4,275	15,574	1,497	2,215	8,795	47,859
1948	4,651	116	236	603	9,902	1,096	1,184	2,809	14,802	1,708	1,023	10,420	48,550
1949	2,307	68	688	990	6,269	1,368	2,070	2,834	17,003	1,499	1,110	10,419	46,625
1950	3,661	0	373	368	7,475	678	2,509	3,861	14,653	1,677	511	11,712	47,478
1951	4,538	76	230	670	9,003	979	2,477	4,170	19,448	2,793	897	12,879	58,160
1952	3,905	99	632	663	7,489	817	2,741	3,809	15,136	2,670	1,742	14,614	54,317
1953	4,718	41	358	701	8,228	989	1,596	4,212	17,559	2,580	1,467	13,408	55,857
1954	2,678	118	262	691	9,074	920	3,174	4,601	14,340	3,113	1,667	13,147	53,785
1955	5,782	137	516	861	9,809	1,064	3,366	4,979	18,462	3,007	1,663	14,719	64,365
1956	4,118	33	442	256	11,033	1,182	4,330	4,551	21,722	4,493	2,125	14,554	68,839
1957	4,004	161	349	620	10,638	1,098	4,762	3,806	18,960	4,065	1,330	13,495	63,288
1958	1,718	144	151	810	10,734	876	3,944	3,939	17,897	4,489	2,869	14,165	61,736

(Continued on next page.)

Table 16 continued.

a/ Data reported in equivalent cases of 24 No. 2 1/2 cans for California packs and for U.S. packs since 1944. Packs in "other states" for earlier years converted to No. 2 1/2 basis from information on pack distribution by can sizes. Packs for "other states" are differences between U.S. and California packs.

b/ Includes Mixed Fruits for 1943-58; none packed earlier.

c/ Includes Spiced Peaches--this pack averaged approximately 130,000 cases in 1936-41; 40,000 in 1942-45; 270,000 in 1946-52; and 450,000 in 1953-58.

d/ Includes Hawaiian and foreign operations of members of Pineapple Growers Association of Hawaii. Packs reported in actual cases before 1944 were converted to No. 2 1/2 basis using a factor of approximately 0.85.

e/ Fruit cocktail and fruit salad not segregated and not converted to equivalent 2 1/2 cases. The difference between actual and equivalent cases probably is less than 1% in 1930-34.

Source: Canners League of California, "California Pack Statistics," annual summary issues (for California packs); National Canners Association, "Canned Food Pack Statistics," annual issues (for U.S. packs).

California Fruits and Tree Nuts: Production, Bearing Acreage, Yield and Value, Five-year averages, 1920-1958

Average for	Seven deciduous tree fruits								Grapes	Tree nuts c/
	Apricots	Cherries	Plums	Apples a/	Peaches	Pears	Prunes b/	Total b/		
1	2	3	4	5	6	7	8	9	10	11
	Production--1,000 tons (equivalent fresh weight)									
1920-24	142	16	49	196	377	123	288	1,191	1,554	33.1
1925-29	183	15	59	215	485	196	423	1,576	2,144	44.9
1930-34	228	20	67	216	612	238	506	1,887	1,757	50.2
1935-39	251	25	62	199	533	234	570	1,874	2,224	71.8
1940-44	182	22	76	168	650	247	450	1,795	2,452	79.7
1945-49	204	34	80	214	796	325	486	2,139	2,763	104.6
1950-54	183	28	76	195	761	348	393	1,984	2,682	104.5
1955-58	174	28	82	224	844	384	366	2,102	2,696	108.2
	Bearing acreage--1,000 acres									
1920-24	60	8	22	50	102	37	124	403	376	124
1925-29	78	11	30	51	119	57	161	507	563	157
1930-34	80	14	29	43	110	65	171	512	518	182
1935-39	75	15	26	35	83	54	154	442	496	198
1940-44	68	13	24	31	81	46	139	402	509	206
1945-49	58	11	24	28	81	43	119	364	494	217
1950-54	44	9	23	23	78	39	97	313	468	207
1955-58	37	10	22	23	78	39	86	295	409	
	Yield--tons (fresh) per bearing acre									
1920-24	2.4	1.9	2.3	3.9	3.7	3.3	2.3	3.0	4.1	.27
1925-29	2.4	1.4	2.0	4.2	4.1	3.5	2.6	3.1	3.8	.29
1930-34	2.8	1.5	2.3	5.0	5.6	3.7	3.0	3.7	3.4	.28
1935-39	3.4	1.7	2.4	5.7	6.5	4.4	3.7	4.2	4.5	.36
1940-44	2.7	1.7	3.2	5.4	8.0	5.4	3.2	4.5	4.8	.39
1945-49	3.5	3.0	3.4	7.8	9.8	7.5	4.1	5.9	5.6	.48
1950-54	4.2	3.0	3.4	8.4	9.7	8.8	4.0	6.3	5.7	.51
1955-58	4.6	3.0	3.8	9.6	10.8	9.9	4.2	7.1	6.6	.52
	Farm price--dollars per ton (fresh)									
1920-24	60	161	70	28	39	66	54	47	40	377
1925-29	60	172	61	29	35	53	44	42	22	370
1930-34	34	92	28	16	18	25	25	22	16	218
1935-39	38	112	36	15	24	25	24	25	15	214
1940-44	78	195	81	45	51	59	55	58	43	414
1945-49	87	269	106	49	58	79	75	71	51	466
1950-54	110	298	145	57	64	73	87	79	45	435
1955-58	124	314	142	60	70	74	97	86	52	550
	Grower returns--dollars per bearing acre									
1920-24	137	306	150	106	146	217	125	142	164	101
1925-29	141	248	112	115	129	180	110	130	85	106
1930-34	88	130	61	80	84	81	72	79	53	60
1935-39	125	171	84	84	149	104	81	107	69	78
1940-44	213	324	256	252	409	326	175	258	207	160
1945-49	295	783	343	369	557	561	305	410	284	224
1950-54	455	854	450	479	622	645	346	493	255	220
1955-58	544	872	524	570	753	737	412	610	337	290

a/ Apple data relate to total crop of the state for 1920-33 and to total crop in commercial counties for 1934-58.

b/ Prunes converted to fresh basis at 1 dry ton = 2.5 fresh tons.

c/ Includes production of almonds and walnuts and acreage of almonds, walnuts and also chestnuts, filberts and pecans.

Source: California Crop and Livestock Reporting Service, "California Fruit and Nut Crops: Acreage, Production, Utilization and Value, 1909-1955," (Spec. Pub. 261), July 1956, supplemented by later reports.

TABLE 18

California Deciduous Fruits and Melons: Annual Rail Carlot Shipments,[a] 1925-1958

Year	Deciduous tree fruits									Straw-berries[d]	Water-melons	Canta-loups	Other melons	Grapes
	Apri-cots	Cher-ries	Plums[b]	Nectar-ines	Peaches	Pears	Apples	Mixed decid.	Total[c]					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Averages:														
1925-29		905	2,866		14,943	9,979	4,264	3,570	36,527	149	5,595	16,399	5,919	69,736
1930-34		922	3,399		12,743	8,773	3,799	2,314	31,950	343	4,729	10,201	8,409	41,464
1935-39	487[e]	696	3,235		7,260	6,750	2,578	979	21,985	325	3,368	7,314	5,957	32,244
1940-44	469	605	4,055		4,682	5,274	1,109	465	16,659	117	3,009	7,388	4,909	28,971
1945-49	711	775	4,176		3,458	5,448	1,607	394	16,569	188	2,811	12,681	5,336	30.112
1950-54	549	773	3,742	448[f]	3,954	5,165	502	319	15,452	1,435	1,921	13,783	5,136	27,657
1955-58	314	677	3,666	823	3,332	4,027	170	409	13,418	2,667	1,191	13,552	4,531	25,344
Annuals:														
1950	858	1,001	4,049		4,551	4,828	539	329	16,155	895	2,380	13,260	4,649	25,702
1951	537	532	4,839		3,730	5,030	527	239	15,434	936	2,313	13,556	4,769	29,308
1952	509	897	2,687		4,306	6,460	790	279	15,928	1,566	1,281	12,901	5,060	31,010
1953	497	809	3,976	324	3,629	3,563	345	383	13,526	1,760	1,288	13,914	5,459	25,330
1954	344	626	3,160	571	3,553	5,942	307	367	14,870	2,016	2,345	15,283	5,743	26,936
1955	493	913	4,099	678	4,879	3,687	372	511	15,632	1,693	1,598	13,738	5,226	28,865
1956	341	876	4,406	533	2,979	4,277	112	405	13,928	2,461	1,465	12,934	4,999	26,002
1957	330	632	3,603	1,227	3,411	4,567	114	445	14,329	3,550	1,014	14,049	4,070	23,549
1958	92	287	2,555	854	2,057	3,578	81	276	9,780	2,965	687	13,478	3,830	22,958

a/ Data include boat shipments and government purchases reduced to carlot equivalents, but exclude truck shipments. Figures for earlier years include large quantities of some processing items because rail movement to processing plants was very important before the development of extensive truck transportation.

b/ Includes fresh prunes.

c/ Total is sum of averages for commodities shown and excludes small shipments of other deciduous tree fruits.

d/ Includes small quantities of other berries: 1932, 4 cars; 1938, 2; 1942, 1; and 1947, 1.

e/ Three-year average. Shipments not collected prior to 1937.

f/ Two-year average. Shipments not collected prior to 1953.

Source: California Federal-State Market News Service, "Rail Carlot Shipments of California and United States Fruit and Vegetables, Averages 1925-29 to 1950-54 and Annual 1930-58," Sacramento, June 1959.

TABLE 19

California Deciduous Fruits and Melons: Monthly Rail Carlot Shipments, [a]/ 1945-1958

Commodity	May [b]/	June	July	Aug.	Sept.	Oct. and later [c]/	Total
1	2	3	4	5	6	7	8
1945-1949 average							
Strawberries	133	5	7	15	11	17	188
Cherries	373	402	0	0	0	0	775
Apricots	32	553	125	1	0	0	711
Plums and fresh prunes	98	1,618	1,595	769	94	2	4,176
Peaches	0	173	1,938	1,219	126	2	3,458
Watermelons	44	831	1,165	719	51	1	2,811
Cantaloups	332	4,339	3,182	3,377	1,387	64	12,681
Other melons	24	828	804	1,418	1,571	691	5,336
Pears	2	22	1,432	2,352	1,051	589	5,448
Apples	6	15	485	507	166	428	1,607
Mixed deciduous	9	115	106	88	43	33	394
Total above	1,053	8,901	10,839	10,465	4,500	1,827	37,585
Grapes	0	290	1,615	3,526	8,551	16,130	30,112
1950-1954 average							
Strawberries	666	286	207	110	104	62	1,435
Cherries	302	471	0	0	0	0	773
Apricots	20	434	95	0	0	0	549
Plums and fresh prunes	80	1,517	1,328	730	86	1	3,742
Peaches	0	257	2,415	1,197	84	1	3,954
Watermelons	104	674	744	378	21	0	1,921
Cantaloups	879	2,982	3,703	4,735	1,440	44	13,784
Other melons	27	462	531	1,614	1,716	786	5,136
Pears	3	8	1,166	2,361	1,066	561	5,165
Apples	0	3	153	211	50	85	502
Mixed deciduous	9	89	116	69	25	11	319
Total above	2,090	7,183	10,458	11,405	4,592	1,551	37,279
Grapes	20	630	1,716	3,022	6,323	15,946	27,657
1955-1958 average							
Strawberries	878	759	523	248	129	130	2,667
Cherries	186	490	1	0	0	0	677
Apricots	12	248	54	0	0	0	314
Plums and fresh prunes	96	1,380	1,401	707	82	0	3,666
Peaches	8	302	1,785	1,177	56	4	3,332
Nectarines		177	424	215	7		823
Watermelons	66	448	458	214	5	0	1,191
Cantaloups	228	1,728	5,050	4,544	1,899	103	13,552
Other melons	8	270	612	1,680	1,413	548	4,531
Pears	10	4	832	1,550	1,004	627	4,027
Apples	0	2	52	81	17	18	170
Mixed deciduous	10	110	154	107	18	10	409
Total above	1,502	5,918	11,346	10,523	4,630	1,440	35,359
Grapes	33	632	1,830	3,052	5,473	14,324	25,344

a/ Includes boat shipments and government purchases reduced to carlot equivalents but excludes truck shipments.

b/ Includes April shipments of strawberries and cherries in some years.

c/ Includes shipments for Oct.-Dec. and Jan.-April of years indicated.

Source: California Crop and Livestock Reporting Service and Federal-State Market News Service, "California Carlot Shipments, Fruits and Vegetables," annual issues for 1945-1958.

TABLE 20

California Deciduous Fruits and Melons: Truck Shipments, [a] 1945-1958

Commodity	Out-of-state [b]		California unloads [c]		
	1951-1954	1955-1958	1945-1949	1950-1954	1955-1958
1	2	3	4	5	6
Apricots	97	81	583	461	326
Cherries	44	74	354	243	241
Plums and fresh prunes	458	814	603	692	842
Nectarines	74	328	327	330	602
Peaches	1,167	2,051	3,237	2,815	3,020
Pears	576	773	989	1,244	1,238
Apples	584	702	1,987	1,969	1,922
Other [d]	11	0	286	257	266
Deciduous tree fruits	3,011	4,823	8,366	8,011	8,457
Watermelons	2,328	2,257	2,688	3,134	3,748
Cantaloups	1,870	2,952	3,195	3,703	3,685
Other melons	207	432	985	1,148	1,306
Melons	4,405	5,641	6,868	7,985	8,739
Strawberries		585 [e]	850	1,490	1,603
Other berries			243	197	161
Grapes	3,770	6,526	2,294	2,469	3,187
Total	11,186	17,575	18,621	20,152	22,147

a/ Reduced to carlot equivalents.

b/ Outbound through California border inspection stations. Includes an unknown amount of duplication with truck unloads because many of outbound truck shipments originate in Los Angeles where supplies are secured for the wholesale market. Information not available prior to 1951.

c/ Truck unloads at Los Angeles and San Francisco-Oakland. Information not available for truck shipments to other cities.

d/ Includes figs (fresh), persimmons, pomegranates and small quantities of loquats and quince.

e/ Includes small quantities of other berries. Data not available prior to 1955.

Source: California Crop and Livestock Reporting Service and Federal-State Market News Service, "California Carlot Shipments: Fruits and Vegetables," annual issues for 1945-1958.